1. Record Nr. UNICAMPANIASUN0020801

Titolo	Mitochondrial biogenesis and genetics. Part A / edited by Giuseppe M. Attardi, Anne Chomyn
Pubbl/distr/stampa	San Diego, : Academic, 1995
ISBN	01-218-2161-7
Descrizione fisica	XXIX, 540 p., [2] c. di tav. : ill. ; 24 cm.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910424635303321

Autore	Luo Zhixun
Titolo	Metal clusters and their reactivity / / Zhixun Luo, Shiv N. Khanna
Pubbl/distr/stampa	Gateway East, Singapore : , : Springer, , [2020] Â©2020
ISBN	981-15-9704-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIV, 267 p. 142 illus., 89 illus. in color.)
Disciplina	546.3
Soggetti	Metal clusters
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	An Overview of Metal Clusters and Their Reactivity -- Instrumentation for Cluster Science -- Metal Cluster Reacting with Oxygen -- Halogenation of Metal Clusters -- The Reactivity with Hydrogen and Nitrogen -- Cooperative Active-Sites Mechanism .
Sommario/riassunto	This book discusses current techniques and instrumentation for cluster chemistry. It addresses both the experimental and theoretical aspects of gas-phase metal cluster reactivities, especially those pertaining to pollution removal, energetic reactions and corrosion and anticorrosion.

These metal cluster systems have attracted enormous interest as they display a completely new class of physical, chemical, electronic, magnetic and catalytic properties. As these properties change with size and composition, it can thus be understood how their nature evolves from atoms to bulk solids. The book offers readers a basic understanding of the structural chemistry and reactivity of metal clusters in both gas-phase and wet chemistry. Further, the lessons they learn here regarding metal cluster chemistry will prepare researchers for the study of condensed phase dynamics that pertain to wet chemical synthesis, soft-landing deposition and cluster assembly.